ABSTRACT

Analyte detection assays, as well as kits, primers and universal arrays for use in practicing the same, are provided. In many embodiments of the subject assays, a population of tagged affinity ligands is first contacted with a sample being assayed under conditions sufficient to produce binding complexes of tagged affinity ligand/analyte complexes between affinity ligands and their corresponding target analytes present in the sample. The resultant composition is then contacted with a universal array of tag complements under hybridization conditions and the presence of any resultant hybridized or surface bound tagged affinity ligand/analyte-tag complement structures is detected. The subject methods find use in a number of different applications, and are particularly suited for use in proteomics.